Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (original) A nutritional composition suitable for facilitating bone healing in a mammal, comprising lysine, proline, ascorbic acid, copper, and vitamin B_6.

2. (original) The nutritional composition of claim 1, wherein the nutritional composition comprises 230 mg-10 grams lysine, 120 mg-5 grams proline, 360 mg-15 grams ascorbic acid, 1.5 μg-20 mg copper, and 0.2 mg-20 mg vitamin B_6.

3. (original) The nutritional composition of claim 1, wherein the nutritional composition comprises 1,010 mg-8 grams lysine, 560 mg-4 grams proline, 1,500 mg-9 grams ascorbic acid, 2 μg-6 mg copper, and 0.5 mg-10 mg vitamin B_6.

4. (currently amended) The nutritional composition of claim 1, wherein the ~~nutrition~~ nutritional composition comprises 1,010 mg lysine, 560 mg proline, 1,500 mg ascorbic acid, 330 μg copper and 10 mg vitamin B_6.

5. (original) The nutritional composition of claim 1, wherein the nutritional composition further comprises vitamin A, vitamin D_3, vitamin E, vitamin B_1, vitamin B_2, niacin, folic acid, vitamin B_{12}, biotin, pantothenic acid, calcium, phosphorus, magnesium, zinc, selenium, manganese, chromium, molybdenum, potassium, citrus fruit peel bioflavanoids, arginine, cysteine, inositol, carnitine, coenzyme Q_{10}, and pycnogenol.

6. (original) The nutritional composition of claim 5, wherein the nutritional composition comprises 67 μg-100 mg vitamin A, 0.7 μg-50 μg vitamin D_3, 0.7 μg-50 μg vitamin E, 1.4 mg-8 mg vitamin B_1, 1.4 mg-8 mg vitamin B_2, 9 mg-250 mg niacin, 18 μg-500 μg folic acid, 4 μg-100 μg vitamin B_{12}, 13 μg-400 μg biotin, 8 mg-100 mg pantothenic acid, 7 mg-40 mg calcium, 3 mg-300 mg phosphorus, 40 mg-200 mg magnesium, 0.5 mg-10 mg

zinc, 20 μg-300 μg selenium, 0.8 mg-15 mg manganese, 2 μg-200 μg chromium, 0.8 μg-100 μg molybdenum, 4 mg-300 mg potassium, 20 mg-500 mg citrus fruit peel bioflavanoids, 10 mg-500 mg arginine, 10 mg-400 mg cysteine, 5 mg-400 mg inositol, 5 mg-400 mg carnitine, 1.6 mg-70 mg coenzyme Q_{10}, and 1.6 mg-70 mg pycnogenol.

7. (original) The nutritional composition of claim 5, wherein the nutritional composition comprises 166 μg-50 mg vitamin A, 1.65 μg-20 μg vitamin D_3, 1.65 μg-20 μg vitamin E, 3.5 mg-7 mg vitamin B_1, 3.5 mg-7 mg vitamin B_2, 22.5 mg-100 mg niacin, 45 μg-300 μg folic acid, 10 μg-50 μg vitamin B_{12}, 32 μg-300 μg biotin, 20 mg-60 mg pantothenic acid, 17 mg-35 mg calcium, 7 mg-100 mg phosphorus, 50 mg-100 mg magnesium, 3 mg-8 mg zinc, 30 μg-250 μg selenium, 1 mg-3.25 mg manganese, 2 μg-75 μg chromium, 2 μg-75 μg molybdenum, 8 mg-200 mg potassium, 50 mg-250 mg citrus fruit peel bioflavanoids, 100 mg-300 mg arginine, 80 mg-200 mg cysteine, 80 mg-200 mg inositol, 80 mg-200 mg carnitine, 3 mg-35 mg coenzyme Q_{10}, and 3 mg-35 mg pycnogenol.

8. (original) The nutritional composition of claim 5, wherein the nutritional composition comprises 333 μg vitamin A, 3.3 μg vitamin D.sub.3, 3.3 μg vitamin E, 7 mg vitamin B.sub.1, 7 mg vitamin B.sub.2, 45 mg niacin, 90 μg folic acid, 20 μg vitamin B.sub.12, 65 μg biotin, 40 mg pantothenic acid, 35 mg calcium, 15 mg phosphorus, 40 mg magnesium, 7 mg zinc, 20 μg selenium, 1.3 mg manganese, 10 μg chromium, 4 μg molybdenum, 20 mg potassium, 100 mg citrus fruit peel bioflavanoids, 40 mg arginine, 35 mg cysteine, 35 mg inositol, 35 mg carnitine, 7 mg coenzyme Q_{10}, and 7 mg pycnogenol.

9. (original) The nutritional composition of claims 1 or 5, wherein the nutritional composition contains 27-34% wt lysine, 14-16% wt proline, and 42-47% wt ascorbic acid.

10. (original) The nutritional composition of claims 1 or 5, wherein the mammal is a human.

11. (original) A method for facilitating bone healing in a mammal, comprising the step of administering to a mammal in need thereof an effective amount of a nutritional composition comprising lysine, proline, ascorbic acid, copper, and vitamin B_6.

12. (original) The method of claim 11, wherein the effective amount of the nutritional composition is a daily dosage of 3.2-139 mg/kg lysine, 1.7-69.4 mg/kg proline, 5-208.3 mg/kg ascorbic acid, 0.02-278 μg/kg copper, 2.78-279 μg/kg vitamin B_6.

13. (original) The method of claim 11, wherein the effective amount of the nutritional composition is a daily dosage of 14-111 mg/kg lysine, 7.8-55.6 mg/kg proline, 20.8-125 mg/kg ascorbic acid, 0.03-83.3 μg/kg copper, and 6.94-139 μg/kg vitamin B_6.

14. (original) The method of claim 11, wherein the effective amount of the nutritional composition is a daily dosage of 14 mg/kg lysine, 7.8 mg/kg proline, 20.8 mg/kg ascorbic acid, 4.6 μg/kg copper, 139 μg/kg vitamin B_6.

15. (original) The method of claim 11, wherein the nutritional composition contains 27-34% wt lysine, 14-16% wt proline, and 42-47% wt ascorbic acid.

16. (original) The method of claim 11, wherein the nutritional composition further comprises vitamin A, vitamin D_3, vitamin E, vitamin B_1, vitamin B_2, niacin, folic acid, vitamin B_{12}, biotin, pantothenic acid, calcium, phosphorus, magnesium, zinc, selenium, manganese, chromium, molybdenum, potassium, citrus fruit peel bioflavanoids, arginine, cysteine, inositol, carnitine, coenzyme Q_{10}, and pycnogenol.

17. (original) The method of claim 11, wherein the nutritional composition further comprises 0.9-1,390 μg/kg vitamin A, 0.01-0.694 μg/kg vitamin D_3, 0.01-0.694 μg/kg vitamin E, 19.4-111 μg/kg vitamin B_1, 19.4-111 μg/kg vitamin B_2, 125-3,472 μg/kg niacin, 0.25-6.94 μg/kg folic acid, 0.05-1.39 μg/kg vitamin B_{12}, 0.181-5.56 μg/kg biotin, 111-1,390 μg/kg pantothenic acid, 97.2-555 μg/kg calcium, 42-4,167 μg/kg phosphorus, 555-2,778 μg/kg magnesium, 6.9-139 μg/kg zinc, 0.28-4.17 μg/kg selenium, 11.1 -208.3 μg/kg manganese, 0.03-2.78 μg/kg chromium, 0.01-1.39 μg/kg molybdenum, 55.6-4,167 μg/kg potassium, 278-6.944 μg/kg citrus fruit peel bioflavanoids, 139-6,944 μg/kg arginine, 135-5,555 μg/kg cysteine, 69-5,555 μg/kg inositol, 69-5,555 μg/kg carnitine, 22.2-972 μg/kg coenzyme Q_{10}, and 22.2-972 μg/kg pycnogenol.

18. (original) The method of claim 11, wherein the nutritional composition further

comprises 2.31-694 μg/kg vitamin A, 0.023-0.278 μg/kg vitamin D_3, 0.023-0.278 μg/kg vitamin E, 48.6-97.2 μg/kg vitamin B_1, 48.6-97.2 μg/kg vitamin B_2, 312.5-3,190 μg/kg niacin, 0.6-4.17 μg/kg folic acid, 0.14-0.69 μg/kg vitamin B_{12}, 0.444-4.17 μg/kg biotin, 278-833 μg/kg pantothenic acid, 236-903 μg/kg calcium, 97.2-1,390 μg/kg phosphorus, 694-1,390 μg/kg magnesium, 41.7-111 μg/kg zinc, 0.42-3.47 μg/kg selenium, 13.9-45.1 μg/kg manganese, 0.07-2.78 μg/kg chromium, 0.03-1.04 μg/kg molybdenum, 111.1-2,778 μg/kg potassium, 694-3,472 μg/kg citrus fruit peel bioflavanoids, 1,389-4,167 μg/kg arginine, 1,111-2,778 μg/kg cysteine, 1,111-2,778 μg/kg inositol, 1,111-2,778 μg/kg carnitine, 41.7-486 μg/kg coenzyme Q_{10}, and 41.7-486 μg/kg pycnogenol.

19. (original) The method of claim 11, wherein the nutritional composition further comprises 4.6 μg/kg vitamin A, 0.046 μg/kg vitamin D_3, 0.046 μg/kg vitamin E, 97.2 μg/kg vitamin B_1, 97.2 μg/kg vitamin B_2, 625 μg/kg niacin, 1.25 μg/kg folic acid, 0.27 μg/kg vitamin B_{12}, 0.9 μg/kg biotin, 555 μg/kg pantothenic acid, 486 μg/kg calcium, 208 μg/kg phosphorus, 555 μg/kg magnesium, 97.2 μg/kg zinc, 0.78 μg/kg selenium, 18.1 μg/kg manganese, 0.14 μg/kg chromium, 0.06 μg/kg molybdenum, 277.8 μg/kg potassium, 1,389 μg/kg citrus fruit peel bioflavanoids, 555 μg/kg arginine, 486 μg/kg cysteine, 486 μg/kg inositol, 486 μg/kg carnitine, 97.2 μg/kg coenzyme Q_{10}, and 97.2 μg/kg pycnogenol.

20. (original) The method of claims 11 or 16, wherein the nutritional composition contains 27-34% wt lysine, 14-16% wt proline, and 42-47% wt ascorbic acid.

21. (original) The method of claims 11 or 16, wherein the mammal is a human.

22. (original) The method of claims 11 or 16, wherein the nutritional composition is effective in reducing >about 5% bone healing time.

23. (original) The nutritional composition of claim 20, wherein the nutritional composition is effective in reducing >about 15% bone healing time.

24. (original) The nutritional composition of claim 20, wherein the nutritional composition is effective in reducing >about 50% bone healing time.

25. (original) The method of claims 11 or 16, wherein the step of administering is performed orally, intravenously or parenterally.

26. (original) The method of claim 21, wherein the step of administering is performed orally.